## METHOD AND SYSTEM FOR REGISTERING PRE-PRODUCED WEBS WITH VARIABLE PITCH LENGTH

## **ABSTRACT**

A new machine control method and system for registering pre-produced webs into a converting line producing disposable absorbent articles such as diapers, pull-ups, feminine hygiene articles or a component thereof. The pre-produced webs can include a multiplicity of pre-produced objects spaced on the web at a pitch interval in the web direction. The pre-produced web being manipulated in order for the pre-produced object of the web to be registered in relation to a target position. The present invention includes five embodiments, where the first embodiment is expressed as a generic claim. The first embodiment includes a closed-loop feedback registration system; the second and third embodiments, in addition, include an automatic phasing system. In addition, the third embodiment uses a machine vision system to recognize any element of a complex pre-produced object (e.g., colorful graphics).